#### UTAH DIVISION OF OIL, GAS AND MINING

REMARKS: W	ELL LOG	EL	ECTRIC LOGS F	ILE_X WATER	SANDS	LOCATIO	N INSPEC	ED	SUB.	REPORT/ABD.
OPER	ATOR 1	IAME C	HANGE 3-21	1-80						
*										
									:	
ATE FILED	6-20-	78		-						
AND: FEE &			STATE LEASE NO.		PUBLIC LEAS	SE NO. <b>U-</b>	-10186	IN	DIAN	
RILLING APP	ROVED:	6-20	<b>-</b> 78	· · · · · · · · · · · · · · · · · · ·						
PUDDED IN:										
OMPLETED:			PUT TO PRODU	CING:						
NITIAL PROD	UCTION:									
RAVITY A.P.I				-						
OR:										
RODUCING Z	ONES:							·		
OTAL DEPTH	:									
VELL ELEVAT	10N:	6891	1 GR							
ATE ABANDO	NED:	1-5-80	) Location A	Abandoned -	. Well Neve	r Drill	ed			
IELD: Wil		3/86								
JNIT:		,	4					,		
OUNTY: U	intah									
WELL NO. R	at Hol	e Can	von #3				API NO	: 43-047	-3044 <b>6</b>	
LOCATION	1880		FT. FROM (N) XX LI	NE. 1788'	FT. FROM	₩X (W) L	NE. SE	NW	1/4 - 1/4 S	EC. 9
TWP.	RGE.	SEC.	OPERATOR		TWP.	RGE.	SEC.	OPERATOR		
			COSEKA F	RESOURCES		T	1	1		
145 2	25E	9	TANGA ENENGA	2						

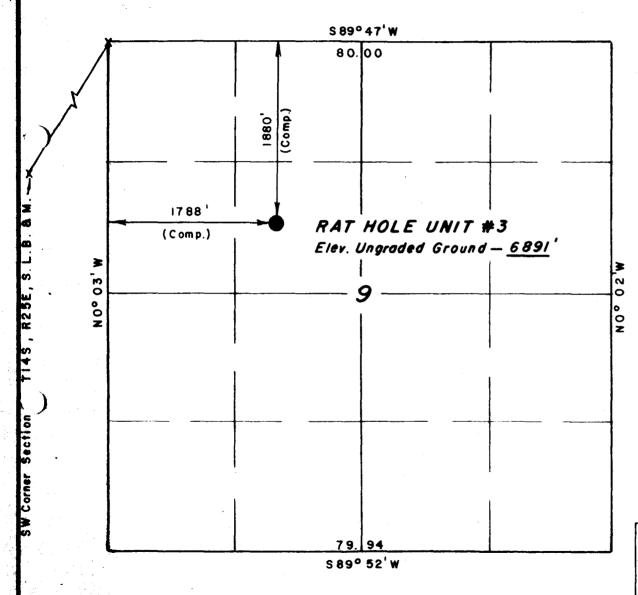
# SUBMIT IN TR CATE\* (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

# UNITED STATES DEPARTMENT OF THE INTERIOR

DEPARTMENT OF THE INTERIOR						5. LEASE DESIGNATION AND SERIAL NO.		
GEOLOGICAL SURVEY						6. IF INDIAN, ALLOTTE		
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK								
DRILL \( \text{DEEPEN} \) DEEPEN \( \text{DEEPEN} \) PLUG BACK \( \text{DEEPEN} \)						7. UNIT AGREEMENT NAMB		
b. TYPE OF WELL						Rat Hole Canyon		
OIL GAS WELL OTHER SINGLE MULTIPLE ZONE						S. FARM OR LEASE NAME		
2. NAME OF OPERATOR				•		Rat Hole Co	anyon	
Taiga	Energy, Inc.	· · · · · · · · · · · · · · · · · · ·				9. WELL RO.		
· ·	th Stroot Suita	630 Denver	[o]	orado 80202		10. FIELD AND POOL, C	R WILDCAT	
4. LOCATION OF WELL (B	th Street Suite Report location clearly and	in accordance wi	th any 8	State requirements.*)		Wildcat		
At surface 1880'	FNL, 1788' FWL S	ection 9, 1	Γ14S,	R25E		11. SEC., T., E., M., OR AND SURVEY OR AL	BLK.	
At proposed prod. zor	ne . "				<u></u>	}		
Same	AND DIRECTION FROM NEAL	REST TOWN OR POS	T OFFIC	E.		SENW Sec. 9.	<u> 1145. R25E</u>	
	iles to Bonanza,		_ 02210	-		Uintah	Utah	
15. DISTANCE FROM PROPLOCATION TO NEARES	OSED*	o cuii	16. NO	O. OF ACRES IN LEASE		OF ACRES ASSIGNED		
PROPERTY OR LEASE   (Also to nearest dr)	LINE, PT. 17	88'	<b> </b> 3	319.76	10 1	160		
18. DISTANCE FROM PROI			19. PF	ROPOSED DEPTH	20. ROTARY OR CABLE TOOLS			
OR APPLIED FOR, ON TH	IIS LEASE, FT.	· .	<u> </u>	4950'	l	Rotary		
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)			6891' ungr		August 15,	· · · · · · · · · · · · · · · · · · ·	
23.	<b>P</b>	ROPOSED CASI	NG ANI	CEMENTING PROGRA	<b>M</b> -			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER P	OOT	SETTING DEPTH	1	QUANTITY OF CEME	NT.	
12-1/4"	9-5/8"/8-5/8"	32#/24#		250'/500'		250 sacks		
7-7/8"	4-1/2"	11.6#		Total Depth		250 sacks		
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	& MINING O			APPROVED BY THE DIVISION OF OIL, GAS, AND MINING			•	
	$\sim$			OII. G				
(P)						20-78		
DATE: 6-11-11-11-11-11-11-11-11-11-11-11-11-11								
BY: Limited States of the Stat							process.	
				<b>9.14</b> —			• • • •	
IN ABOVE SPACE DESCRIBI	e proposed program: If p	proposal is to deep	en or n	dug back, give data on or	esent prod	uctive sone and propose	d new productive	
	drill or deepen directiona							
24.	<del></del>			<del> </del>			*	
0			0	perations Manag	er	Lell	5/28	
BIGNED		TIT	LE			DATE/		
	ral or State office use)					• .		
PERMIT NO.	-1-11. 3C-t-	0	<del></del>	APPROVAL DATE	<del></del>		,	
APPROVED BYCONDITIONS OF APPROV	AL, IF ANY :	TIT	LR	•	· · ·	DATE		

# T145, R25E, S.L.B.&M.



X = Section Corner Locafed

#### TAIGA ENERGY INC.

Well location, RAT HOLE UNIT #3, located as shown in the SE I/4 NW 1/4 Section 9, T14S, R25E, S.L.B.8.M. Uintah County, Utah.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE ITRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

REGISTERED LAND SURVEYOR REGISTRATION NS 3137
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q — 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE  " = 1000'				DATE 5/23/7		
PARTY	MS	кн	RP	REFER	GLO Plat	
WEATHE	R	O i r		FILE	TAIGA ENERGY	

# **Specific Plans and Exceptions**

12 Point Surface Use Program for Multi-Well
Program

#### Rat Hole Canyon # 3

### 1. Existing Roads

Proceed south from Bonanza, Utah along Utah highway 45 for 9.2 miles to Atchee Ridge Road. Follow this road for 23.8 miles to the junction of a road running east to Baxter Pass. Proceed south along this road, Rat Hole Ridge, 6.8 miles to the intersection of Bitter Creek Road. Turn northwest for 8.7 miles to the entrance to the Augusi Canyon Road, then proceed northeast for 2.1 miles to the proposed access road which leads to the proposed site in the northwest quarter of Section 9.

#### 2. Planned Access Road

The access road will be approximately .6 miles in length, and will comply with the general specifications as outlined.

### 3. Location of Existing Wells

Rat Hole Canyon Unit # 1 2156' FSL, 1993' FEL, Sec. 8, T14S, R25E

(Proposed) Rat Hole Canyon Unit # 2 2363' FNL, 1661' FWL, Sec.22, T14S, R25E

# Specific Plans and Exceptions

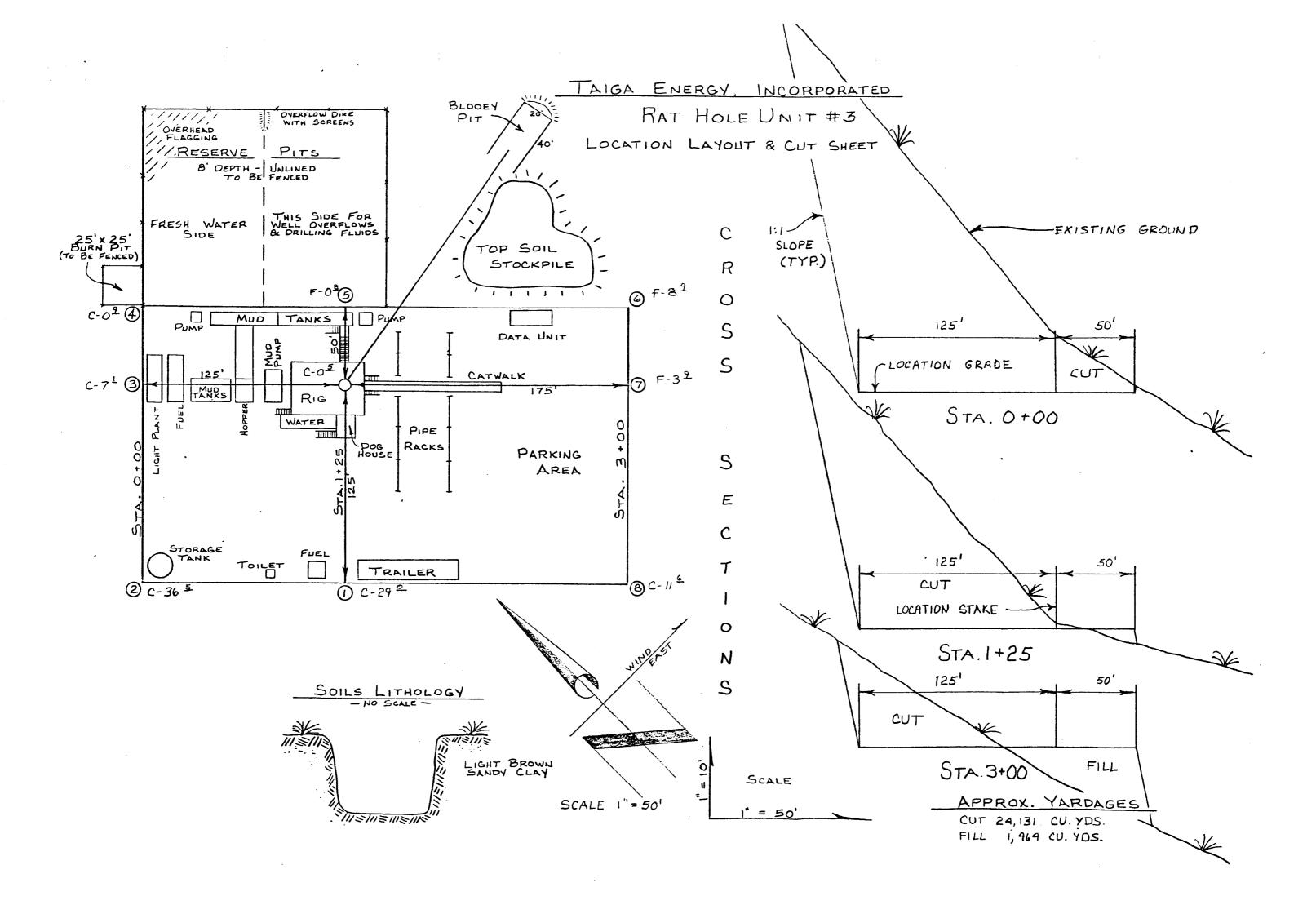
10 Point Plan

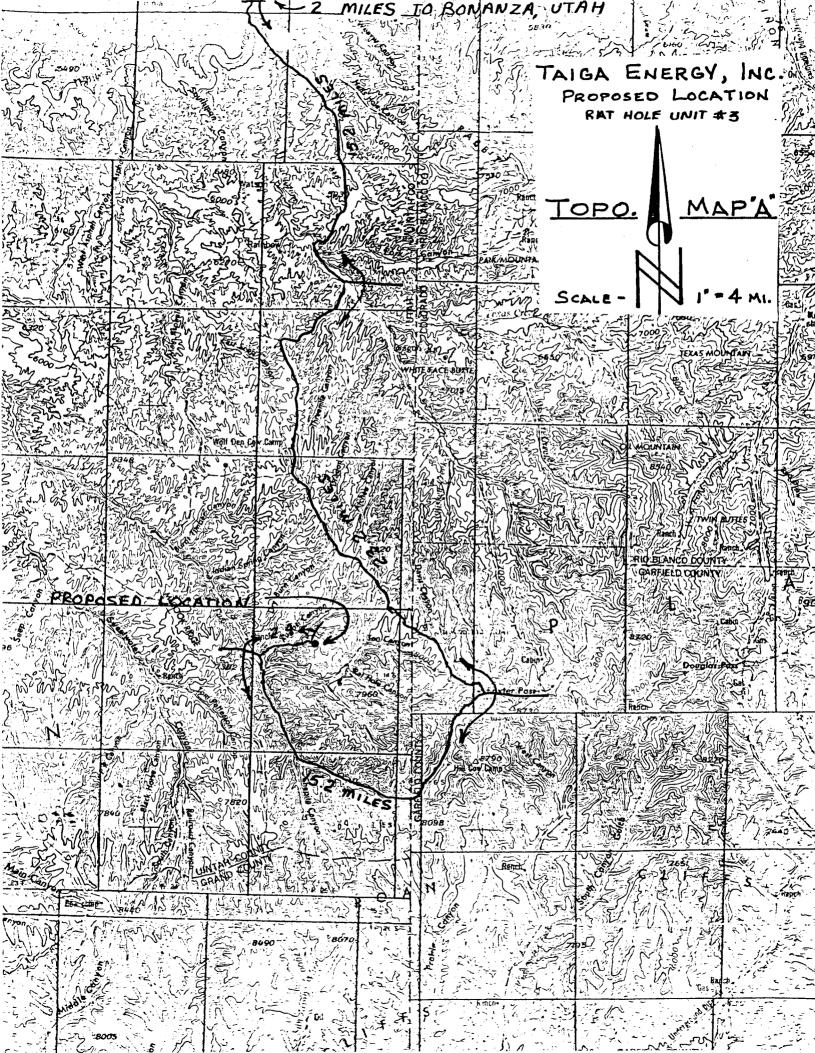
## Rat Hole Canyon # 3

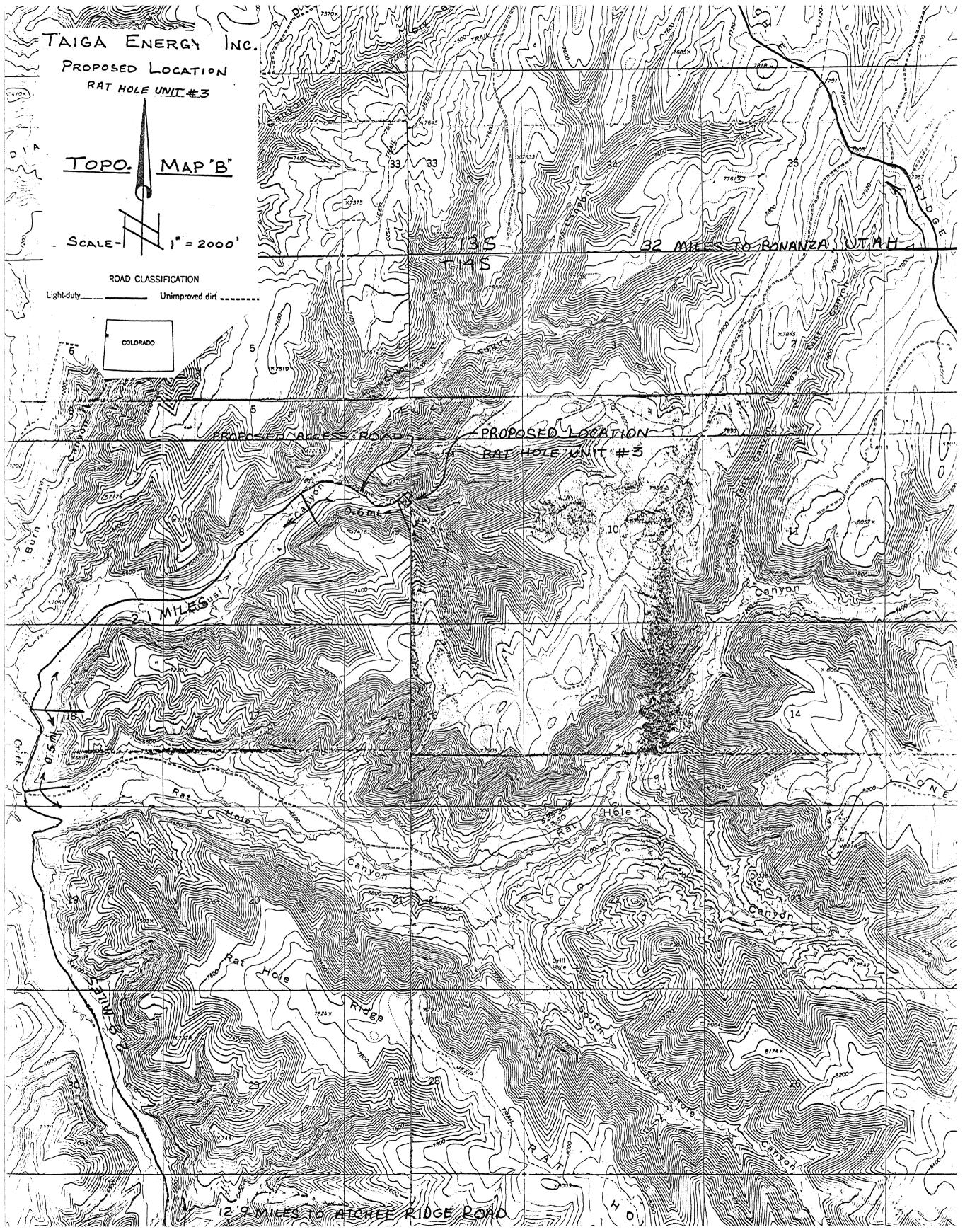
2. The estimated tops of important geological markers with depths calculated from an estimated RKB elevation of 6891' are as follows:

Mancos .	3010'
Castlegate SS	3370'
Mancos "B"	4310'
Base Mancos "B"	4850
Dakota	7050'
Total Depth	4950'

10. It is anticipated that this well will be commenced approximately August 15, 1978 and that the operations will last two weeks.







file

TAIGA ENERGY, INC.

MULTI-WELL PROGRAM

UINTAH COUNTY, UTAH



#### INDEX

- I. Master Well List
- II. Multi Well Numbering Scheme
- III. General Plan 12 Point Surface Use Plan for Multi Well Program
- IV. General Plan 10 Point Plan
- V. Blowout Preventer Schematic
- VI. Frac Layout
- VII. Folders Well Files (Containing for each well)
  - A. Form 9-331C "Application for Permit to Drill, Deepen or Plug Back"
  - B. Plat
  - C. Specific Plan 12 Point Surface Use Plan
  - D. Specific Plan 10 Point Plan
  - E. Topo Map "A"
  - F. Topo Map "B"
  - G. Well Site Layout

# Taiga Energy, Inc. Multi Well Master List

## Uintah County, Utah

<u>well Name</u>
Dry Burn Unit # 2
Rat Hole Canyon Unit # 2
Rat Hole Canyon Unit # 3
Black Horse Canyon Unit # 3
Rlack Horse Canvon Unit # 4

# Location

2273' FNL, 2222' FEL Section 35, T13S, R25E 2363' FNL, 1661' FWL Section 22, T14S, R25E 1880' FNL, 1788' FWL Section 9, T14S, R25E 1709' FWL, 1395' FSL Section 9, T15S, R24E

612' FSL, 1934' FNL Section 8, T15S, R24E

Multi-Well Program
Numbering Scheme

·			
13	14	15	16
12	11	10	9
5	6	7	8
4	3	2	<b>]</b>

Section

TAIGA ENERGY, INC.
NUMBERING SCHEME

# GENERAL PLAN

12 POINT SURFACE USE PLAN FOR MULTI-WELL PROGRAM

#### 1. Existing Roads

See attached Topographic map "A" for each location under "Specific Plans and Exceptions".

#### 2. Planned Access Road

See attached Topographic map "B" for each location under "Specific Plans and Exceptions".

#### General Plan for All Access Roads

The proposed access roads shall be an 18' crown road with 9' either side of the centerline and drainage ditches along either side of the proposed road where it is determined necessary in order to handle any runoff from any normal meteorological conditions that are prevalent to this area.

The grade of the roads shall vary from flat to 8% but shall never exceed this amount. The roads shall be constructed from native borrow accumulated during construction.

The terrain that is traversed by these roads is sloping and is vegetated with sagebrush and grasses with some juniper and pinion pine.

### 3. Location of Existing Wells

See attached Topographic map "B" for each location site under "Specific Plans and Exceptions".

# 4. Location of Tank Batteries, Production Facilities, Production Gathering and Service Lines

All petroleum production facilities are to be contained within the proposed location site. There are no other Taiga Energy, Inc. flow, gathering, injection or disposal lines within a one mile radius of these locations.

In the event production is established, plans for a gas flow line from this location to existing gathering lines or a main production line shall be submitted to the appropriate agencies for approval.

# 5. Location and Type of Water Supply

Water utilized to drill these wells shall be obtained from existing and approved sources in or near the area where the individual wells shall be drilled.

#### 6. Source of Construction Materials

All construction materials for these location sites and access roads shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining materials from other sources are anticipated at this time.

#### 7. Methods of Handling Waste Disposal

All garbage and trash that can be burned, shall be burned. All unburnable garbage and trash accumulated during development of these wells shall be contained in the trash pit shown on the attached layout sheet. When drilling activities have been completed, the rig moved off location and production facilities set up, all garbage and trash on the location site shall be cleaned up, deposited in the trash pit and covered with a minimum of 4' of cover.

A portable chemical toilet will be supplied for human waste.

#### 8. Ancillary Facilities

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

#### 9. Well Site Layout

See attached Location Layout Sheet. The BLM District Manager or other appropriate agencies shall be notified before any construction begins on the proposed location site. When drilling activities commence, all work shall proceed in a neat and orderly sequence.

### 10. Plans for Restoration of the Surface

As there is some topsoil in the area, all topsoil will be stripped and stockpiled prior to drilling activities on the wellsite only. When all production activities have been completed, the location site, access road and flowline route will be reshaped as near as possible to the original contour prior to construction. The topsoil on the location only shall be spread on the disturbed area. Any drainage rerouted during construction and production activities shall be restored to the original line of flow.

All additional wastes being accumulated during production activities and contained in the reserve pit and trash pit shall be buried with a minimum of 4' of cover. The location site, access road and flowline route shall be reseeded with a seed mixture recommended by the BLM District Manager, when the moisture content of the soil is adequate for germination.

Restoration activities shall begin within 90 days after completion of the well. Once completion activities have begun, they shall be completed within 30 days. The lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in the best and most workmanlike manner and in strict conformity with the above mentioned items # 7 and # 10.

#### 11. Other Information

The topography of the general area is mountainous and cut with numerous canyons. The majority of the washes and streams in the area are of a non-perennial nature flowing during the early spring runoff and extermely heavy rains of long duration which are extremely rare. The normal annual rainfall in the area is only 8".

The soils in this semi-arid area are of the Green River formation (Middle Eocene) and the Wasatch formation (Lower Eocene) consisting of light brownish-gray clays (OL) to sandy soils (SM-ML) with poorly graded gravels. Outcrops of sandstone ledges, conglomerate deposits and shale are common on this area. The topsoils in the area range from sandy clay (SM-ML) to clayey (OL) soil.

Due to the low amount of average precipitation, climate conditions and the marginal soils, the vegetation that is found in the area is common to the semi-arid region we are located in. In the lower elevations it consists of juniper and pinion pine forests as the primary flora with areas of sagebrush, rabbit brush, some grasses and cacti.

The fauna of the area consist mainly of mule deer, coyote, rabbit and varieties of small ground squirrels and other types of rodents. The area is used by man primarily for grazing sheep and cattle. The birds in the area are raptors, finches, ground sparrows, magpies, crows and jays.

There are no occupied dwellings or other facilities of this nature in the general area. There are no visible archaeological, historical or cultural sites within any reasonable proximity of the proposed location sites.

# 12. Lessee's or Operator's Representative

Peter MacDowell Resource Marketing Services, Inc. 821 17th Street Denver, Colorado 80202

(303)892-9185

Johnnie D. Odum, Operations Manager Taiga Energy, Inc. 718 17th Street Denver, Colorado 80202

(303)573-6178

#### 13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsites and access routes; that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Taiga Energy, Inc. and its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

6/15/78

Date

Johnnie D. Odum, Operations Manager

GENERAL PLAN

MULTI-WELL PROGRAM

10 POINT PLAN

- 1. The geological name for the surface formation is the Green River Formation of Middle Eocene Age.
- 2. See "Specific Plans and Exceptions" for estimated tops of important geological markers with depths calculated from an estimated RKB elevation.
- 3. Of the formations listed above it is anticipated that the Mancos "B" and Dakota formations may be gas bearing in the well.
- 4. The proposed casing program for completion of this well will consist of 4-1/2" 11.6# J-55 new casing. Surface casing will be dependent on the drilling contractor. Either 9-5/8" 32# K-55 will be run (Burton-Hawks) or 8-5/8" 24# casing will be run (Thomson). It may be necessary to set 7" 20# intermediate casing in the Dakota formation.

If the location is on a hill, 500' of surface casing will be set. If the location is in a valley, 250' of surface casing will be set.

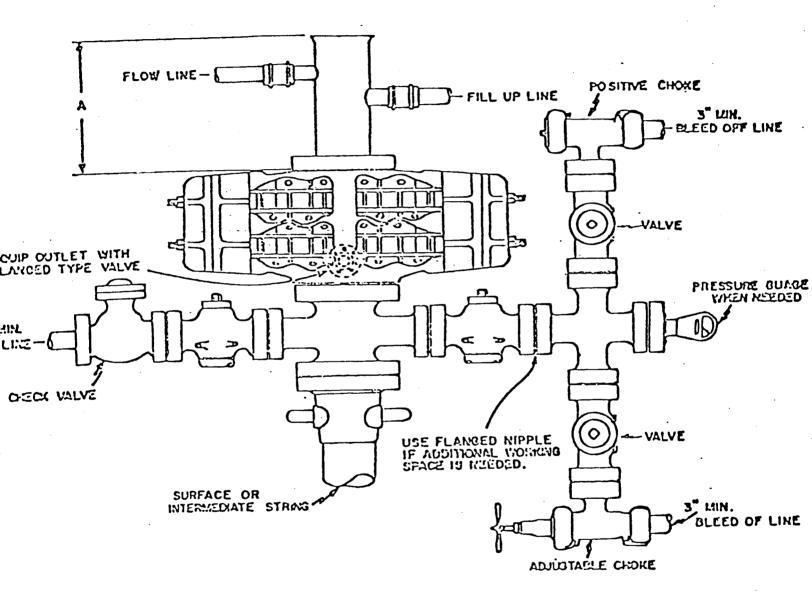
5. The operators minimum specifications for pressure control equipment is as follows:

A 10" Series 900 Hydril Bag type BOP and a 10" Double Ram Hydraulic unit with a closing unit will be utilized. Additionally, while air drilling, a Series 900 Rotating Head will be used. Pressure tests of BOP's to 1000# will be made after installation and operation and will be checked daily.

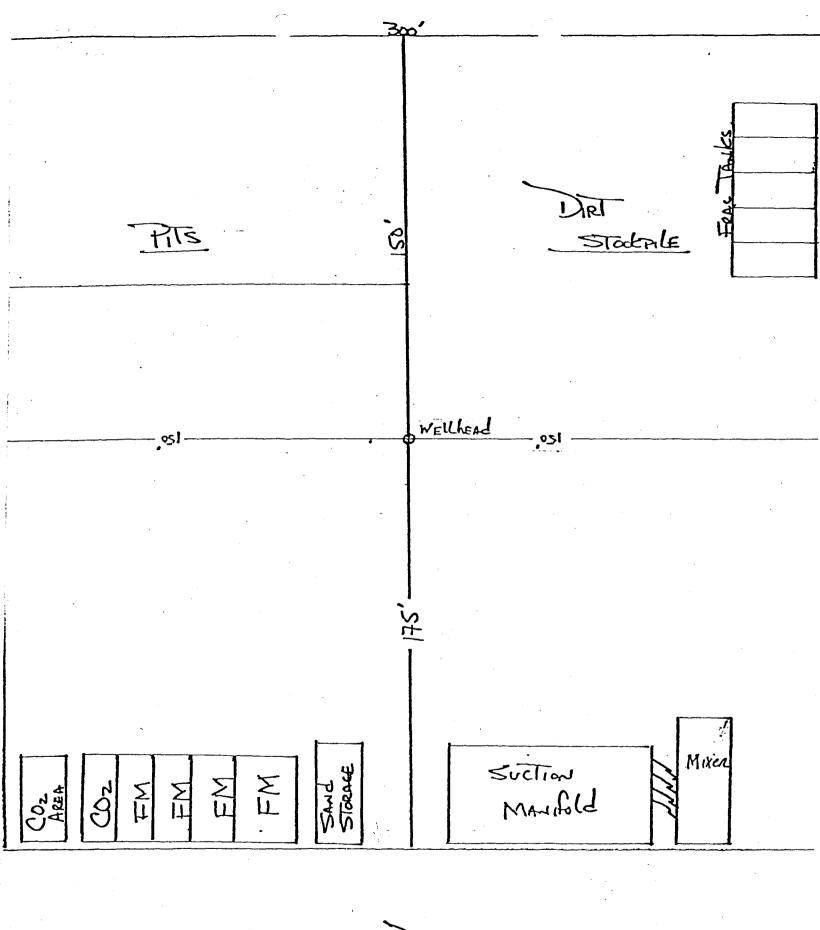
- 6. It is proposed that the hole will be drilled to the top of the Mancos with air and mist as necessary in order to clean the hole. From the Mancos to Total Depth it is planned to drill the well with air or air mist. The Thomson rig will use water and mud with enough weight to control any pressures encountered.
- 7. Auxiliary equipment to be used will be a Kelly Cock and a Float at the drill bit.
- No coring or drill stem testing has been scheduled for this well.
   The logging program will consist of a dual induction laterolog and a compensated neutron formation density log.

- 9. It is not anticipated that abnormal pressures or temperatures will be encountered nor that any other abnormal hazards such as hydrogen sulfide gas will be encountered in this area.
- 10. See Specific Plans and Exceptions for commencement date.

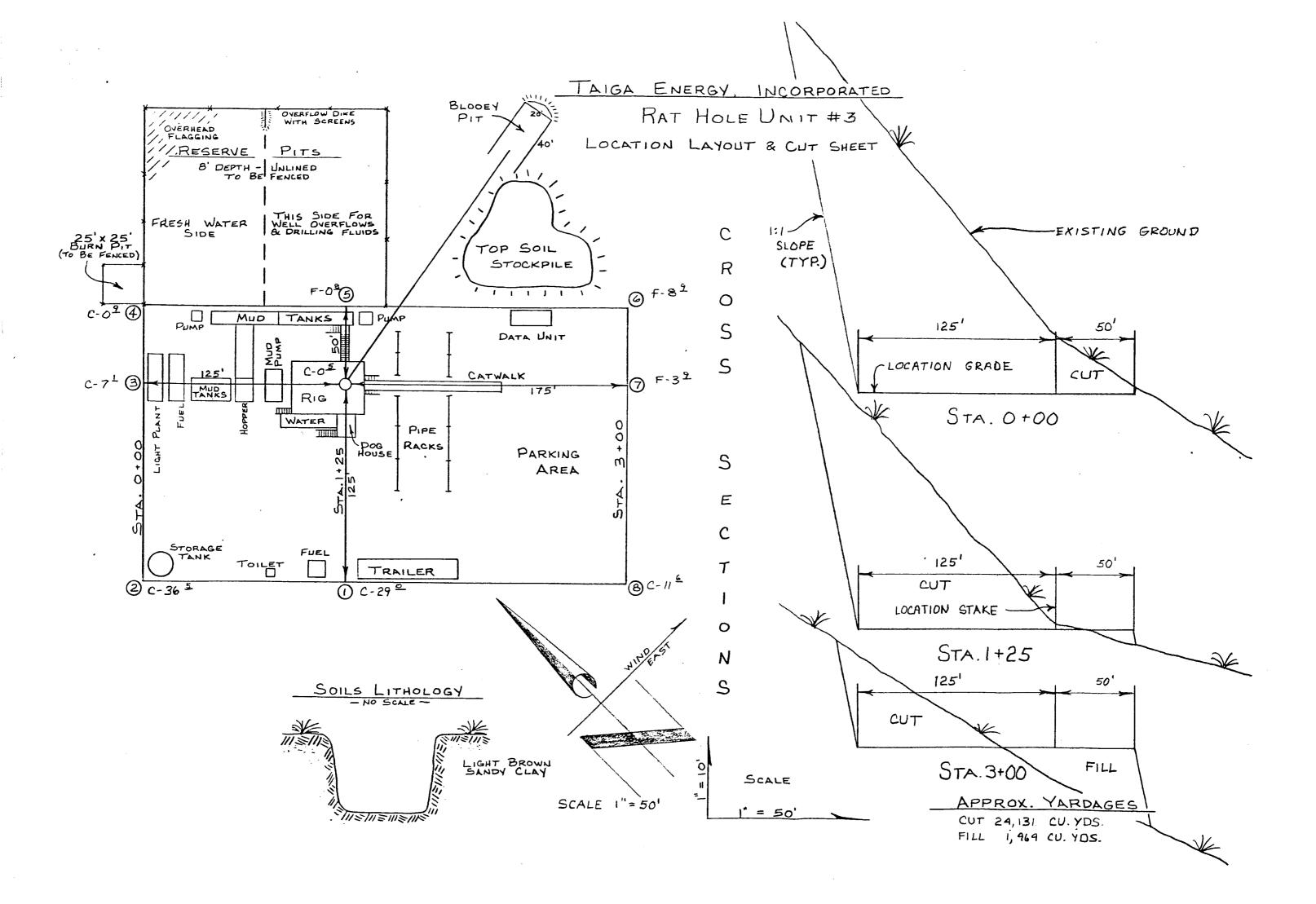
Blowout Preventer Schematic



Frac Layout



FRAC DIACRAM



** FILE NOTATIONS **
Date:
Operator: Alega Resource)
Well No: Stat Sale Carry 3
Location: Sec. 9 T. 145 R. 25E County: Zutal
File Prepared: /
CHECKED BY:  Administrative Assistant  Remarks: M - Unit Will  Petroleum Engineer  Remarks:
Director  Remarks:
INCLUDE WITHIN APPROVAL LETTER:  Bond Required: Survey Plat Required: /
within a 660' radius of proposed site /
Other:

March 21, 1980

Coseka Resources 718 17th St. #630 Denver, Colorado 80202

> Re: Well No. Rat Hole Canyon #3 Sec. 9, T. 14S, R. 25E. Uintah County, Utah

#### Gentlemen:

In reference to above mentioned well, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill this well and action will be taken to terminate the application. If you plan on drilling this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

JANICE TABISH CLERK-TYPIST SCOTT M. MATHESON Governor

GORDON E. HARMSTON

Executive Director,

NATURAL RESOURCES

CLEON B. FEIGHT

Director



#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING 1588 West North Temple Salt Lake City, Utah 84116 (801) 533-5771

October 29, 1980

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

Coseka Resources, Ltd. 718 17th St., Suite 630 Denver, colo. 80202

RE: SEE ATTACHMENT SHEET FOR

Licend rature

WELLS.

Gentlemen:

In reference to above mentioned well(s), considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well (these wells), please notify this Division. If spudding or any other activity has taken place, please send necessary forms. (If we do not hear from your company within fifteen (15) days, we will assume that you do not intend to drill this well (these wells) and action will be taken to terminate the application.) If you plan on drilling this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Abir Beauregard

DEBBIE BEAUREGARD

CLERK-TYPIST

#### SHEET ATTACHMENT:

- (1) Well No. Rat Hole Canyon #3 Sec. 9, T. 14S, R. 25E, Uintah County, Utah
- (2) Well No. Main Canyon # 11-10-15-23 Sec. 10, T. 15S, R. 23E, Uintah County, Utah
- (3) Well No. Main Canyon Unit # 15-8-15-23 Sec. 8 , T. 15S, R. 23E, Uintah County, Utah
- (4) Well No. Wolf Piont Unit. # 10-2-15-22 Sec. 2, T. 15S, R. 22E, Uintah County, Utah

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_\_\_CONDITIONS OF APPROVAL, IF ANY:

# STATE OF UTAH

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

DEPARTMENT OF NATURAL RESOURCES			
DIVISION OF OIL, GAS, AND MINING	5. LEASE DESIGNATION AND SERIAL NO.		
	U-10186		
ALL IDAY MATIES AND DEDODE ON MEN	6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
SUNDRY NOTICES AND REPORTS ON WELLS			
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  Use "APPLICATION FOR PERMIT—" for such proposals.)			
I.	7. UNIT AGREEMENT NAME		
OIL GAS WELL X OTHER	Rat Hole Canyon		
2. NAME OF OPERATOR	8. FARM OR LEASE NAME		
Coseka Resources (U.S.A.) Limited	Rat Hole Canyon		
8. ADDRESS OF OPERATOR	9. WELL NO.		
718 17th St. #630, Denver, CO 80202	3		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  See also space 17 below.) At surface	10. PIBLD AND POOL, OR WILDCAT		
See also space 17 below.) At surface	Wildcat		
1880' FNL, 1788' FWL Sec. 9-T14S-R25E, S.L.B.&M.	11. SEC., T., B., M., OR BLE. AND		
Uintah Co., Utah	SE NW		
omoun oor, oun			
14. PERMIT NO.   15. BLEVATIONS (Show whether DF, RT, GR, etc.)	Sec. 9-T14S-R25E		
	1		
API #43-047-30442   6891' Ungr	Uintah   Utah		
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Ot	ther Data		
	INT REPORT OF:		
	THE REPORT OF .		
TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF	REPAIRING WELL		
FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT	ALTERING CASING		
SHOOT OR ACIDIZE ABANDON* SHOOTING OR ACIDIZING	ABANDONMENT*		
REPAIR WELL CHANGE PLANS (Other)			
(Other) Status Report x (Note: Report results of Completion or Recomplet	of multiple completion on Well tion Report and Log form.)		
This is to inform you that this well is not included in our 1980 nor to we plan to drill it any time in the future.	Drilling Program		
18. I hereby certify that the foregoing is true and correct  SIGNED Renda Knaffan Production Secretary  Brenda Groghan	DATE 11/5/80		

DATE \_

TITLE \_

November 5, 1980

State of Utah Division of Oil, Gas, & Mining 1588 West North Temple Salt Lake City, UT 84116

Attention: Debbie Beauregard

Re: 1) Rat Hole Canyon #3

2) Main Canyon #11-10-15-23

3) Main Canyon #15-8-15-23 4) Wolf Unit #10-2-15-22

Dear Debbie:

As per your letter request dated October 29, 1980, please find enclosed Form OGC-1B, "Sundry Notices and Reports on Wells", to report the status of each of the above referenced wells.

Should you need any further information please let me know.

Very truly yours,

COSEKA RESOURCES (U.S.A.) LIMITED

Brenda J. Groghan Production Secretary

/bq

**Enclosures** 

REGEL/LU

NOV 1 0 1930

DIVISION OF